

National Pollutant Discharge Elimination System (NPDES) Municipal Application Form (Reissuance)

version 2.15

(Submission #: HP6-N0WC-CZMTZ, version 3)

Digitally signed by:
nForm_nCore_MiWaters_Cert
HCV761WATRPWA01.dnz-ad.state.mi.us
Date: 2021.09.28 10:10:03 -04:00
Reason: Submission Data
Location: State of Michigan

Details

Submission ID HP6-N0WC-CZMTZ

NOTE (CREATED)

Please provide application revisions by August 10, 2021.

If you have any questions or concerns, please contact me: Tom Braum - braumt2@michigan.gov or 517-331-7377.

Created on 8/3/2021 10:17 AM by Tom Braum

Form Input

Applicant Information

Permit Number (Pre-populated)

MI0022217

??"APPLICANT" refers to the entity legally responsible for the information submitted with this application, and for the permit that will result from it. DO NOT provide the name of an individual. Contact information will be collected in another section.

Applicant Information

Enter name of legal entity:

Organization Name

City of Ann Arbor

Phone Type

Number

Extension

Business

734-794-6140

Email

cityclerk@a2gov.org

Fax

NONE PROVIDED

Enter address of legal entity:

PO BOX 8647

301 E HURON STREET

ANN ARBOR, MI 48107

United States

Facility Information

Additional Instructions for completing this portion of the application are provided in the Appendix.

[Appendix to the Permit Application](#)

Site or Facility Name (Read Only)

Ann Arbor WWTP

Public primary school systems and governing entities that cross local-government boundaries should select "Local Government/District"

Which of the following best describes your facility?

Local Government/District

Facility Location

42.2691,-83.6627

Site/Facility Location Address

49 S DIXBORO RD
ANN ARBOR, MI 48105

CORRECTION REQUEST (APPROVED)**Facility Address**

The Ann Arbor website and previous permit list this address as South Dixboro Road rather than Old Dixboro Road. Please confirm the appropriate road name.

Created on 8/3/2021 10:07 AM by **Tom Braum**

1 COMMENT**Earl Kenzie (EKenzie@a2gov.org) (8/3/2021 10:44 AM)**

This has been revised to match the City's website and previous permit. However, Washtenaw County Road Commission renamed South to Old Dixboro Road years ago and both names are recognized.

[CLICK HERE to view the Appendix to the permit application](#)

Local Unit of Government (LUG)

City of Ann Arbor

Provide an e-mail address for an appropriate LUG contact, such as a clerk, who can be notified about the public notice period:

cityclerk@a2gov.org

Does the facility have an EGLE-certified operator at the appropriate level?

YES

Contacts (1 of 2)**CORRECTION REQUEST (APPROVED)****Contact Information - Multiple Contacts**

The facility can only have one annual permit billing contact and one facility contact. Please confirm whether Keith Sanders or Earl Kenzie will be the official contact for these two contact types.

Created on 8/3/2021 10:08 AM by **Tom Braum**

1 COMMENT**Earl Kenzie (EKenzie@a2gov.org) (8/3/2021 10:48 AM)**

It would be helpful to identify restrictions on contacts in the notes on the permit application.

CONTACTS

At a minimum the following contact types are required:

Annual Permit Billing Contact
Application Contact
Facility Contact
DMR Contact

Certified Operator

?If a single person has multiple roles, please enter that person's information once and assign them multiple roles.

?To add additional contacts, use the Add New button at the bottom of this page, or select Duplicate to copy the contact information and edit a portion of the contact fields.

Contact

Annual Permit Billing Contact
Facility Contact
Application Contact
Storm Water Operator
DMR Contact
Certified Operator

Required Contact Types:

? At minimum the following contact types must be provided:

Annual Permit Billing Contact; Application Contact; Facility Contact; DMR Contact; and Certified Operator

[Appendix to the Permit Application](#)

Contact

Prefix

NONE PROVIDED

First Name

Earl

Last Name

Kenzie

Title

Manager

Organization Name

Ann Arbor WWTP

Phone Type

Business

Number

734-794-6450

Extension

43821

Email

ekenzie@a2gov.org

Fax

NONE PROVIDED

Address

49 Old Dixboro Road

Ann Arbor, MI 48105

United States

Certification Number(s)

10370

Certification Classification(s)

A,B,C,D





Contacts (2 of 2)

CONTACTS

At a minimum the following contact types are required:

Annual Permit Billing Contact
Application Contact
Facility Contact
DMR Contact
Certified Operator

?If a single person has multiple roles, please enter that person's information once and assign them multiple roles.

?To add additional contacts, use the  Add New  button at the bottom of this page, or select  Duplicate  to copy the contact information and edit a portion of the contact fields.

Contact

Application Contact
Storm Water Operator
DMR Contact
Certified Operator

Required Contact Types:

? At minimum the following contact types must be provided:

Annual Permit Billing Contact; Application Contact; Facility Contact; DMR Contact; and Certified Operator

[Appendix to the Permit Application](#)

Contact

Prefix

NONE PROVIDED

First Name

Keith

Last Name

Sanders

Title

Assistant Manager

Organization Name

Ann Arbor WWTP

Phone Type

Business

Number

794-794-6450

Extension

43822

Email

ksanders@a2gov.org

Fax

NONE PROVIDED

Address

49 Old Dixboro Road

Ann Arbor, MI 48105

United States

Certification Number(s)

11041

Certification Classification(s)

A,B,C,D

Antidegradation

RULE 98 ANTIDEGRADATION REQUIREMENTS

In accordance with R 323.1098 of the Michigan Water Quality Standards, the applicant is required to submit an Antidegradation Demonstration for any new or increased loading of pollutants to the surface waters of the state, unless one or more exemptions apply. An Antidegradation Demonstration must contain the information specified in Rule 1098, outlined in the Appendix.

[Appendix to the Permit Application](#)

This part of the application enables the Department to determine whether you are seeking authorization for a change to your current NPDES permit that represents a new or increased loading of pollutants to the surface waters of the state. Select any/all that apply or select "None."

E) None: I am not seeking any such changes to my current permit

Additional Information

Other Environmental Permits

Provide the information requested in the table for any other federal, state, or local environmental permits in effect or applied for

at the time of submittal of this Application, including, but not limited to, permits issued under any of the following programs: Air Pollution Control, Hazardous Waste Management, Wetlands Protection, Soil Erosion and Sedimentation Control, and other NPDES permits. If none, please enter NA.

Other Environmental Permits (Click 'Add Row' for each environmental permit)

Issuing Agency:	Permit or COC Number:	Permit type:
N/A	NONE PROVIDED	NONE PROVIDED

❖ **Surface waters of the state** ❖ means all the following: The Great Lakes and their connecting waters, all inland lakes, rivers, streams, impoundments, open drains, wetlands, and other surface bodies of water within the confines of the state but does not include drainage ways and ponds used solely for wastewater conveyance, treatment, or control. A storm sewer is not a surface water of the state.

WATER FLOW DIAGRAM

[Site map with outfall marked.JPG - 03/01/2021 10:30 AM](#)
[AA WWTP schematic 1.pdf - 03/01/2021 10:33 AM](#)
[AA schematics 2 for sludge flow.pdf - 03/01/2021 10:33 AM](#)
[NPDES permit flow path supplemental.pdf - 08/03/2021 11:58 AM](#)

Comment

NONE PROVIDED

CORRECTION REQUEST (APPROVED)

Water Flow Diagram

Please provide a clearer image/file for the water flow diagram. I can see the different treatment processes marked on the map; however, there are items on the map that are unreadable. Thank you.

Created on 8/3/2021 10:11 AM by **Tom Braum**

1 COMMENT

Earl Kenzie (EKenzie@a2gov.org) (8/3/2021 12:14 PM)

The file "NPDES permit flow path supplemental" shows the site facilities more clearly and the file "AA WWTP schematic 1" shows the water flow.

NARRATIVE

[2021 Narrative Description.pdf - 08/03/2021 11:15 AM](#)

Comment

NONE PROVIDED

CORRECTION REQUEST (APPROVED)

Narrative Description

Please add two additional items to this narrative description. 1. The discharge path after UV disinfection. If the final effluent is just discharged directly to the Huron River after this point please just state this. 2. A description regarding when/why flow is sent to the east or the west treatment train.

Created on 8/3/2021 10:13 AM by **Tom Braum**

MAP OF FACILITY AND DISCHARGE LOCATION

[Site map with outfall marked.JPG - 02/25/2021 08:52 AM](#)

Comment

NONE PROVIDED

Laboratory Services (1 of 4)

Laboratory: Paragon Laboratories, Inc.

To add additional laboratories, please use the ❖Add New❖ button at the bottom of this page, or select ❖Duplicate❖ to copy the laboratory information and edit a portion of the fields.

Laboratory Name

Paragon Laboratories, Inc.

Lab Type

Contract Laboratory

Laboratory Street Address

12649 Ritchfield Court
Livonia, MI 48150

Laboratory Phone

734-469-5623

Laboratory Email

patriciai@paragonlaboratories.com

Analyses Performed

WET, Annual permit scans

Laboratory Services (2 of 4)

Laboratory: Pace Analytical

To add additional laboratories, please use the  Add New  button at the bottom of this page, or select  Duplicate  to copy the laboratory information and edit a portion of the fields.

Laboratory Name

Pace Analytical

Lab Type

Contract Laboratory

Laboratory Street Address

8 East Tower Circle
Ormond Beach, Florida 32172

Laboratory Phone

386-672-5668

Laboratory Email

sakina.mckenzie@pacelabs.com

Analyses Performed

NPDES permit scan

Laboratory Services (3 of 4)

Laboratory: Global Environmental Consulting, Inc.

To add additional laboratories, please use the  Add New  button at the bottom of this page, or select  Duplicate  to copy the laboratory information and edit a portion of the fields.

Laboratory Name

Global Environmental Consulting, Inc.

Lab Type

Contract Laboratory

Laboratory Street Address

223 West Michigan Avenue
Clinton, MI 49236

Laboratory Phone

517-456-6881

Laboratory Email

gec223@earthlink.net

Analyses Performed

WET

Laboratory Services (4 of 4)

Laboratory: RTI Laboratories, Inc.

To add additional laboratories, please use the **◆ Add New ◆** button at the bottom of this page, or select **◆ Duplicate ◆** to copy the laboratory information and edit a portion of the fields.

Laboratory Name

RTI Laboratories, Inc.

Lab Type

Contract Laboratory

Laboratory Street Address

31628 Glendale Street
Livonia, MI 48150

Laboratory Phone

734-422-8000

Laboratory Email

NONE PROVIDED

Analyses Performed

BOD, CBOD

Water Source and Discharge Type**◆ 1. WATER SUPPLY INFORMATION**

List the source(s) of the water supply in the area served by sewers. Identify groundwater wells and surface water intakes, as well as the name(s) of any surface water(s) from which intake water is drawn:

Mainly surface water intake from the Huron River with some groundwater wells

What is the total population served by this facility?

125000

◆ 2. SERVICE AREA INFORMATION

Is this facility Publicly or Privately owned?

PUBLIC

List the governmental jurisdictions (e.g., cities, townships, villages) that this facility serves (applicants should include themselves). What is the population in each jurisdiction?

Municipality	Contact Email Address	Type of Collection System	Percent Combined	Population Served
City of Ann Arbor	CityClerk@a2gov.org	Separate	0	110000
Ann Arbor Township	basch@aatwp.org	Separate	0	2500
Scio Township	clerk@sciotownship.org	Separate	0	8000
Pittsfield Township	info@pittsfield-mi.gov	Separate	0	4500

3. WASTEWATER STABILIZATION LAGOONS

Does this facility have a wastewater stabilization lagoon?

NO

4. WHOLE EFFLUENT TOXICITY TESTING

Does the facility have a design flow rate greater than or equal to one (1) MGD?

YES

WET Test Guidance

At a minimum, the applicant shall submit the results of quarterly WET tests for a 12-month period prior to this Application, or the results of annual WET tests conducted during the five years prior to this Application. In addition, the applicant shall submit the results of any other WET tests from the past five years. If a WET test conducted in the past 4 years revealed toxicity, provide all the information on the cause of toxicity or the results of all toxicity reduction evaluations if any were conducted. It is not necessary to submit results for previously submitted WET tests. Please do not submit additional forms or paperwork pertaining to WET tests with this Application unless instructed to do so or if a result from a WET test revealed toxicity. For additional information, see Whole Effluent Toxicity Test Guidance and Requirements in the Appendix. Attach copies of WET test analytical laboratory reports below.

[Appendix to the Permit Application](#)

Upload Whole Effluent Toxicity Test Results

[October 2019 bioassay report WWTP Ann Arbor.pdf - 03/02/2021 01:27 PM](#)

[February 2021 Bioassay report Ann Arbor WWTP.pdf - 03/02/2021 01:27 PM](#)

[March 2020 bioassay report Ann Arbor WWTP.pdf - 03/02/2021 01:27 PM](#)

[7-2016 WET Final Report - Chronic 209629.pdf - 03/02/2021 01:27 PM](#)

[12-2017 WET Final Report - Chronic 220371.pdf - 03/02/2021 01:29 PM](#)

Comment

NONE PROVIDED

Outfall Information and Effluent Characteristics (1 of 1)

Outfall:001 Receiving water:Huron River

Existing outfalls can be selected in the top-right corner of the page.

?To add additional outfalls (new or existing), please use the Add New button at the bottom of this page, or select Duplicate to copy the outfall information and edit a portion of the fields on the page.

1. OUTFALL INFORMATION

Enter the outfall number (e.g., 001):

001

Outfall Description

001

Enter the name of the receiving water:

Huron River

Outfall

42.2683,-83.6625

?DEFINITIONS: A facility is considered to have a SEASONAL discharge if wastewater is treated AND STORED throughout a portion of the year and then discharged over a specified period or periods of days, weeks, or months. Batch process discharges are not seasonal discharges. Any facility that does not discharge seasonally is considered to have a CONTINUOUS discharge. Batch discharges are a type of continuous discharge.

[CLICK HERE to view the application Appendix](#)

Is the discharge continuous or seasonal?

Continuous

2. FLOW**What is the annual average design flow rate for this facility, in MGD?**

29.5

How often is there a discharge from this outfall (on average)?

Hours per day:	Days per year:
24	365

Years Ago:	Actual Annual Average Daily Flow (MGD):	Actual Maximum Daily Flow in a Single Day (MGD):
3 Years Ago	18.43	47.57
2 Years Ago	18.4	35.05
Last Year	17.4	44.31

Does this outfall have batch discharges?

NO

3. INFLOW AND INFILTRATION**What is the current average daily flow rate of inflow and infiltration at this outfall in GPD?**

7600000

What corrective actions are being taken to minimize this inflow and infiltration?

Sewer/manhole inspections, sewer lining, flood-proofing manhole lids and castings in flood prone areas, flow monitoring to identify high I/I areas for further evaluation/improvements, ACO requirements.

4. EFFLUENT CHARACTERISTICS - CONVENTIONAL POLLUTANTS

Existing Treatment Works Treating Domestic Sewage (TWTDS) are required to report data from effluent sampled and analyzed by the permittee for the parameters listed in the table below. Retention Treatment Basins are required to provide a summary of influent and effluent data for the last three years. If the data was previously submitted via Discharge Monitoring Reports (DMRs), indicate this in the table below. Data previously submitted via DMRs does not need to be resubmitted.

FOR ALL APPLICANTS, SAMPLE RESULTS ARE REQUIRED FOR: Biochemical Oxygen Demand five day (BOD5), Chemical Oxygen Demand (COD), Total Organic Carbon (TOC), Ammonia Nitrogen (as N), Total Suspended Solids, Temperature-Summer, and Temperature-Winter, UNLESS you request a waiver and provide sufficient rationale to support that request.

Please fill out the table below, indicating how you have, or will be, providing the required analytical results. In the "How are results provided?" column, select "DMR" if you submit Discharge Monitoring Reports (DMRs) for that parameter, select "LAB REPORT" if you have attached a lab report for that parameter, or select "NONE" if you do not submit DMRs and have not attached a lab report for that parameter.

[CLICK HERE to open the Appendix to the Permit Application](#)

Please confirm that you have read the statements above.

I Confirm

Effluent Characteristics - Conventional Pollutants

Conventional Pollutants	How are Results Provided?	Waiver Information	Provide Rationale Here to Support Waiver Request
Biochemical Oxygen Demand - five day (BOD5)	DMR		
Chemical Oxygen Demand (COD)	LAB REPORT		
Total Organic Carbon (TOC)	NONE	I request a waiver for this parameter based on the following rationale:	The facility reports data for CBOD5 which is more representative of the discharge than TOC.
Ammonia Nitrogen (as N)	DMR		
Total Suspended Solids	DMR		
Temperature, Summer	NONE	I request a waiver for this parameter based on the following rationale:	Treatment process will not result in the temperature of discharge varying from ambient temperatures.
Temperature, Winter	NONE	I request a waiver for this parameter based on the following rationale:	Treatment process will not result in the temperature of discharge varying from ambient temperatures.
pH	DMR		
Total Dissolved Solids	NONE	Waiver request not required.	
Total Phosphorus (as P)	DMR		
Fecal Coliform Bacteria	DMR		
Escherichia coli	NONE	Waiver request not required.	
Total Residual Chlorine	NONE	Waiver request not required.	
Dissolved Oxygen	DMR		
Oil & Grease	LAB REPORT		

CORRECTION REQUEST (APPROVED)

Waiver Requests - Conventional Pollutants

The waiver requests provided for TOC, and Temperature are not adequate. Please revise the waiver requests for these parameters. An example of an adequate waiver request for TOC could be, "The facility reports data for CBOD5 which is more representative of the discharge than TOC" . An example of an adequate waiver request for temperature could be, "Treatment process will not result in the temperature of discharge varying from ambient temperatures."

Created on 8/3/2021 10:14 AM by **Tom Braum**

1 COMMENT

Earl Kenzie (EKenzie@a2gov.org) (8/3/2021 10:55 AM)

Thank you for providing adequate waiver request language.

Please attach laboratory reports for conventional pollutants here.

[2020 COD data.xlsx](#) - 03/01/2021 10:13 AM

[Environmental Final Report 362650.pdf](#) - 03/02/2021 12:23 PM

[Environmental Final Report_362953.pdf](#) - 03/02/2021 12:23 PM

[Environmental Final Report_362808.pdf](#) - 03/02/2021 12:23 PM

[Environmental Final Report 364269.pdf](#) - 03/02/2021 12:23 PM

[Environmental Final Report 362710.pdf](#) - 03/02/2021 12:23 PM

[Environmental Final Report 363539.pdf](#) - 03/02/2021 12:23 PM

[Environmental Final Report 362795.pdf](#) - 03/02/2021 12:23 PM



[Environmental Final Report_362832.pdf](#) - 03/02/2021 12:23 PM

[Environmental Final Report_363668.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363499.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363185.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363026.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363065.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363217.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363157.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363731.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363074.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363604.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363737.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363000.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363890.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364235.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364076.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363909.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364367.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364258.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363804.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364151.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364022.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_363963.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364072.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364441.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364574.pdf](#) - 03/02/2021 12:23 PM
[Paragon Final Report_363428.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364596.pdf](#) - 03/02/2021 12:23 PM
[Paragon Final Report_363350.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364516.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009044_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Paragon Final Report_363281.pdf](#) - 03/02/2021 12:23 PM
[Environmental Final Report_364418.pdf](#) - 03/02/2021 12:23 PM
[Paragon Final Report_363332.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2008802_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009135_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009303_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009129_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009307_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009521_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009233_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009114_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009446_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009598_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009384_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009483_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010133_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010216_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010085_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010215_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009684_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009657_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010062_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010039_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2009754_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010481_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010373_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2011001_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2011130_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010287_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010540_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2011212_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2011063_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010560_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010367_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2010415_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2011571_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2011278_Final_v1.pdf](#) - 03/02/2021 12:23 PM
[Rpt_2011472_Final_v1.pdf](#) - 03/02/2021 12:23 PM

[Rpt_2011339_Final_v1.pdf - 03/02/2021 12:23 PM](#)
[Rpt_2011404_Final_v1.pdf - 03/02/2021 12:23 PM](#)
[Rpt_2011597_Final_v1.pdf - 03/02/2021 12:23 PM](#)
[Rpt_2011219_Final_v1.pdf - 03/02/2021 12:23 PM](#)
[Rpt_2011364_Final_v2.pdf - 03/02/2021 12:23 PM](#)

Comment

COD is not a required parameter - some in house lab data were obtained for comparison with BOD.

***Please note: This form may have a glitch. When you click  Add New,  it may cause the Conventional Pollutant table to not be changeable. To fix it, click into another Section, such as Additional Information, and then click back into this Section (Outfall Information and Effluent Characteristics), click into the Outfall you were adding/editing, and the table will work as intended. ***

5. DISINFECTION INDICATOR

Which of the following does the facility use as an indicator that the effluent has been disinfected? In accordance with R 323.1062, EGLE will use the indicator selected below within the permit that will be issued based on this application.

Fecal Coliform Bacteria is used as an indicator of disinfection

6. EFFLUENT CHARACTERISTICS - TOXIC POLLUTANTS

Tables referenced below are located in the Appendix.

Existing POTWs that 1) have a design flow greater than or equal to 1.0 MGD, 2) have an approved Federal Industrial Pretreatment Program (FIPP), 3) are required to develop a FIPP, or 4) are otherwise required by the Department, shall submit the results of a minimum of three effluent analyses for each parameter identified in the Additional Monitoring Requirements section of their NPDES permit for each outfall. Any effluent testing data obtained by the facility for pollutants not specifically identified in the Additional Monitoring Requirements section of their NPDES permit shall also be submitted with this Application. Do not include information on combined sewer overflows in this section.

Existing POTWs that do not meet one or more of the criteria above shall submit 1) the results of at least one effluent analysis (taken within the past three years) for any chemical listed in Tables 2, 3, and 4 of the Appendix that is known or believed to be present in the effluent; 2) a measured or estimated effluent concentration for any chemical listed in Table 5 of the Appendix that is known or believed to be present in the effluent; 3) a measured or estimated concentration for any toxic or otherwise injurious chemical not previously identified in this Application that is known or believed to be present in the effluent; and 4) the results of all other effluent analyses that have been performed within the past five years for any chemical listed in Tables 2, 3, 4, and 5 of the Appendix.

Review Table 7 of the Appendix for additional requirements relevant to this section.

Copies of analytical laboratory reports shall be attached below, unless those results have been previously supplied to the Department or submitted via DMRs.

[CLICK HERE to open the Appendix to the Permit Application](#)

Does the facility have industrial users or indication that any chemical listed in Tables 2, 3, 4, or 5 of the Appendix, or any other pollutant, is known or believed to be present in the effluent?

YES

Does the facility have effluent results for any parameter not previously submitted via the DMRs?

YES

On what date(s) were those tests completed?

3/18/2020, 5/19/2019, 8/9/2017, 8/28/2017, 4/4/2016

Have those results been previously submitted to EGLE?

YES

Please attach analytical laboratory reports for toxic pollutants here.

[NPDES scan 4-2016.pdf - 03/01/2021 11:32 AM](#)
[NPPDES VOC's 8-9-2017.pdf - 03/01/2021 11:32 AM](#)
[NPDES May 2019.pdf - 03/01/2021 11:32 AM](#)
[8-8-2017 NPDES scan metals.pdf - 03/01/2021 11:32 AM](#)
[NPDES scan 8-9-2017.pdf - 03/01/2021 11:32 AM](#)
[2020 NPDES scan.pdf - 03/01/2021 11:32 AM](#)

Comment

NONE PROVIDED

Collection System Information

Is any portion of the collection system combined?

NO

Nondomestic Wastewater Information

◆ SEPTAGE ◆ Does this facility accept septage?

NO

◆ RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) WASTEWATER. Does this facility receive, or has it in the last three (3) years received, RCRA hazardous waste by truck, rail, or dedicated pipe?

NO

◆ REMEDIATION WASTEWATER. Does this facility receive, or has it been notified that it will receive in the next five (5) years, wastes from remediation activities?

NO

◆ INDUSTRIAL AND COMMERCIAL SOURCES

Does this facility receive any nondomestic wastewater from any industrial or commercial facilities? (Nondomestic wastewater refers to water that carries wastes other than human and household wastes).

YES

Estimate the total average daily flow rate of nondomestic wastewater received by this facility, in MGD.

0.13732

Type and Average Daily Flow Rate of Nondomestic Wastewater(s)

In the table below, enter the average daily flow rate (in MGD) of all nondomestic wastewater(s) that will be received by this facility.

Wastewater Type	Average Daily Flow Rate (MGD)
Industrial Process Wastewater	0.00022
Contact Cooling Water	0.0086
Noncontact Cooling Water	0
Landfill Leachate	0.0035
Trucked Industrial Wastewater	0
Other	0.125

CORRECTION REQUEST (APPROVED)

Average Daily Flow of Nondomestic Wastewater

The average daily flows listed in the table do not add to the total daily flow listed of 0.215 MGD. Please edit the table or clarify. Thank you.

Created on 8/3/2021 10:16 AM by Tom Braum

If "Other" nondomestic wastewater type was selected above, please describe:

Groundwater purged from a closed landfill

Is an Industrial Pretreatment Program (IPP) currently required by EGLE?

YES

Please select the date on which the City Council incorporated each of the following: Sewer Use Ordinance, Interjurisdictional Agreements, Procedures, Other Legal Authority, and Enforcement Response Plan.

The date-picker will only display 20-year spans at a time, but you may type the full date directly or use the right/left arrows within the date-picker. If no date applies, please enter 01/01/1900.





Description:	Date:
Sewer Use Ordinance Date	07/31/2018
Interjurisdictional Agreements Date	08/01/1986
Procedures Date	07/31/2018
Other Legal Authority Date	07/31/2018
Enforcement Response Plan Date	07/31/2018

Significant Industrial User Information (1 of 5)

SIU: City of Ann Arbor Landfill

SIGNIFICANT INDUSTRIAL USER (SIU) INFORMATION

? Supply the following information for each SIU that discharges to the treatment plant.

?To add additional SIUs, please use the  Add New  button at the bottom of this page, or select  Duplicate  to copy the SIU information and edit a portion of the fields.

If you have more than 10 SIUs you may upload a spreadsheet with the following information.

NONE PROVIDED
Comment
 NONE PROVIDED

SIU Company Name:

City of Ann Arbor Landfill

SIU Company Address

2800 E ELLSWORTH RD
 ANN ARBOR, MI 48108

Describe all of the industrial processes that affect or contribute to the SIU's discharge.

Closed landfill leachate and groundwater purge wells

Describe all of the principal processes and raw materials that affect or contribute to the SIU's discharge.

Closed landfill leachate and groundwater purge wells

SIU Flow Rate. In the table below, provide the average daily flow rate of each wastewater discharged to the collection system from the SIU in gallons per day, and identify whether that discharge is continuous or intermittent:

Type of Wastewater	Flow Rate of Discharge (GPD)	Continuous or Intermittent
Process Wastewater	0.0035	Continuous
Non-Process Wastewater	0.121	Continuous

Pretreatment Standards. Indicate whether the SIU is subject to one or both of the following:

Local Limits

Create a numbered list identifying each category and subcategory associated with the Categorical Pretreatment Standards for the SIU specified above

NONE PROVIDED

Describe any problems at the treatment plant or in the collection system (e.g., upsets, pass through, interference, blockages) attributed to waste or wastewater discharged by this SIU during the last three years.





N/A

Significant Industrial User Information (2 of 5)

SIU: U of M Central Power Plant

SIGNIFICANT INDUSTRIAL USER (SIU) INFORMATION

? Supply the following information for each SIU that discharges to the treatment plant.

?To add additional SIUs, please use the  Add New  button at the bottom of this page, or select  Duplicate  to copy the SIU information and edit a portion of the fields.

If you have more than 10 SIUs you may upload a spreadsheet with the following information.

NONE PROVIDED

Comment

NONE PROVIDED

SIU Company Name:

U of M Central Power Plant

SIU Company Address

1120 E HURON ST

ANN ARBOR, MI 48104

Describe all of the industrial processes that affect or contribute to the SIU's discharge.

Boiler blowdown, RO water reject, steam production for electric generation

Describe all of the principal processes and raw materials that affect or contribute to the SIU's discharge.

Boiler blowdown, RO water reject, steam production for electric generation

SIU Flow Rate. In the table below, provide the average daily flow rate of each wastewater discharged to the collection system from the SIU in gallons per day, and identify whether that discharge is continuous or intermittent:

Type of Wastewater	Flow Rate of Discharge (GPD)	Continuous or Intermittent
Process Wastewater	0.0865	Intermittent
Non-Process Wastewater	NONE PROVIDED	NONE PROVIDED

Pretreatment Standards. Indicate whether the SIU is subject to one or both of the following:

Local Limits

Create a numbered list identifying each category and subcategory associated with the Categorical Pretreatment Standards for the SIU specified above

NONE PROVIDED

Describe any problems at the treatment plant or in the collection system (e.g., upsets, pass through, interference, blockages) attributed to waste or wastewater discharged by this SIU during the last three years.





N/A

Significant Industrial User Information (3 of 5)

SIU: Macom

SIGNIFICANT INDUSTRIAL USER (SIU) INFORMATION

? Supply the following information for each SIU that discharges to the treatment plant.

?To add additional SIUs, please use the  Add New  button at the bottom of this page, or select  Duplicate  to copy the SIU information and edit a portion of the fields.

If you have more than 10 SIUs you may upload a spreadsheet with the following information.

NONE PROVIDED

Comment

NONE PROVIDED

SIU Company Name:

Macom

SIU Company Address

2925 BOARDWALK ST
ANN ARBOR, MI 48104

Describe all of the industrial processes that affect or contribute to the SIU's discharge.

Manufacturing of III V wafer in a clean room

Describe all of the principal processes and raw materials that affect or contribute to the SIU's discharge.

Manufacturing of III V wafer in a clean room

SIU Flow Rate. In the table below, provide the average daily flow rate of each wastewater discharged to the collection system from the SIU in gallons per day, and identify whether that discharge is continuous or intermittent:

Type of Wastewater	Flow Rate of Discharge (GPD)	Continuous or Intermittent
Process Wastewater	0.000375	Intermittent
Non-Process Wastewater	NONE PROVIDED	NONE PROVIDED

Pretreatment Standards. Indicate whether the SIU is subject to one or both of the following:

Categorical Pretreatment Standards
Local Limits

Create a numbered list identifying each category and subcategory associated with the Categorical Pretreatment Standards for the SIU specified above

40 CFR 469.18 semi conductor category

Describe any problems at the treatment plant or in the collection system (e.g., upsets, pass through, interference, blockages) attributed to waste or wastewater discharged by this SIU during the last three years.

NONE PROVIDED

Significant Industrial User Information (4 of 5)

SIU: Kaiser Optical Systems, Inc.

SIGNIFICANT INDUSTRIAL USER (SIU) INFORMATION

? Supply the following information for each SIU that discharges to the treatment plant.

?To add additional SIUs, please use the **Add New** button at the bottom of this page, or select **Duplicate** to copy the SIU information and edit a portion of the fields.

If you have more than 10 SIUs you may upload a spreadsheet with the following information.

NONE PROVIDED

Comment

NONE PROVIDED

SIU Company Name:

Kaiser Optical Systems, Inc.

SIU Company Address

371 PARKLAND PLZ
ANN ARBOR, MI 48103

Describe all of the industrial processes that affect or contribute to the SIU's discharge.

Manufacturing of holographic equipment and instrumentation; glass is coated, processed and assembled

Describe all of the principal processes and raw materials that affect or contribute to the SIU's discharge.

Isopropyl alcohol, chromate

SIU Flow Rate. In the table below, provide the average daily flow rate of each wastewater discharged to the collection system from the SIU in gallons per day, and identify whether that discharge is continuous or intermittent:

Type of Wastewater	Flow Rate of Discharge (GPD)	Continuous or Intermittent
Process Wastewater	93	Intermittent
Non-Process Wastewater	2100	Intermittent

Pretreatment Standards. Indicate whether the SIU is subject to one or both of the following:
Local Limits

Create a numbered list identifying each category and subcategory associated with the Categorical Pretreatment Standards for the SIU specified above
NONE PROVIDED





Describe any problems at the treatment plant or in the collection system (e.g., upsets, pass through, interference, blockages) attributed to waste or wastewater discharged by this SIU during the last three years.
N/A

Significant Industrial User Information (5 of 5)

SIU: Terumo Cardiovascular Systems

SIGNIFICANT INDUSTRIAL USER (SIU) INFORMATION

? Supply the following information for each SIU that discharges to the treatment plant.

?To add additional SIUs, please use the  Add New  button at the bottom of this page, or select  Duplicate  to copy the SIU information and edit a portion of the fields.

If you have more than 10 SIUs you may upload a spreadsheet with the following information.

NONE PROVIDED
Comment
NONE PROVIDED

SIU Company Name:
Terumo Cardiovascular Systems

SIU Company Address
6200 JACKSON RD
ANN ARBOR, MI 48103

Describe all of the industrial processes that affect or contribute to the SIU's discharge.
Metal parts fabrication, machining, painting, polishing and assembly

Describe all of the principal processes and raw materials that affect or contribute to the SIU's discharge.
Boiler blowdown and small amount of bovine blood

SIU Flow Rate. In the table below, provide the average daily flow rate of each wastewater discharged to the collection system from the SIU in gallons per day, and identify whether that discharge is continuous or intermittent:

Type of Wastewater	Flow Rate of Discharge (GPD)	Continuous or Intermittent
Process Wastewater	207	Intermittent
Non-Process Wastewater	3326	Intermittent

Pretreatment Standards. Indicate whether the SIU is subject to one or both of the following:
Local Limits

Create a numbered list identifying each category and subcategory associated with the Categorical Pretreatment Standards for the SIU specified above
NONE PROVIDED

Describe any problems at the treatment plant or in the collection system (e.g., upsets, pass through, interference, blockages) attributed to waste or wastewater discharged by this SIU during the last three years.

N/A

Biosolids Information

◆ BIOSOLIDS HANDLING ◆ All facilities that generate or propose to generate biosolids must complete both the "BIOSOLIDS HANDLING" and "LAND APPLICATION" sections.

Provide total English dry tons of residuals handled within a 365-day period under the following practices:

Amount generated at the facility (in DRY Tons; do not enter metric tons)

4772.5

Amount received from off-site (in DRY Tons; do not enter metric tons)

0

Amount treated on-site including blending (in DRY Tons; do not enter metric tons)

0

Amount used or disposed of by another practice (in DRY Tons; do not enter metric tons)

0

Amount applied to land in bulk form (in DRY Tons; do not enter metric tons)

2653

Amount fired in incinerator (in DRY Tons; do not enter metric tons)

0

Amount sent to municipal solid waste landfill (in DRY Tons; do not enter metric tons)

2119.5

Amount transported to another POTW (in DRY Tons; do not enter metric tons)

0

Amount sold or given away in a bag or other container for application to the land (in DRY Tons; do not enter metric tons)

0

Transport Company

NONE PROVIDED

Receiving POTW

N/A

BIOSOLIDS STORAGE. Enter the volume of residual storage capacity at this facility (million gallons or cubic feet)

1270000 gallons

◆ LAND APPLICATION

Facilities that land apply must complete all remaining items in this section, or have submitted a Biosolids Annual Report as required in the facility's current Residual Monitoring Program.

Date on which most recent Biosolids Annual Report was submitted

10/09/2020

BIOSOLIDS CHARACTERISTICS ◆ New Land Appliers Only

NONE PROVIDED

POLLUTANTS OF CONCERN. Are there currently, or is there potential for, pollutants (other than the parameters listed in the table above) to be present in the residuals at concentrations that would make them unsuitable for land application?

NO

ADDITIONAL BIOSOLIDS MONITORING DATA

NONE PROVIDED

LAND APPLICATION SITE LIST

NONE PROVIDED

Storm Water

Is the annual average design flow rate of the facility 1.0 MGD or greater?

YES

"Surface waters of the state" means all of the following: The Great Lakes and their connecting waters, all inland lakes, rivers, streams, impoundments, open drains, wetlands, and other surface bodies of water within the confines of the state but does not include drainage ways and ponds used solely for wastewater conveyance, treatment, or control.

Please confirm that you have read the definition of "Surface Waters of the State" above

I Confirm

Is the storm water from this facility discharged to a surface water of the state, either directly or through another conveyance such as a municipal separate storm sewer system? NOTE: If storm water is discharged to a municipal combined storm sewer system, a municipal wastewater treatment system, or a privately-owned activated sludge treatment system, select "NO."

YES

Use the link to determine if the site is eligible for Storm Water No Exposure Certification

[CLICK HERE to see the No Exposure Certification Guidance page](#)

Are any industrial activities or materials exposed to storm water at this facility?

NO. The applicant must complete the No Exposure Certification (NEC) application in MiWaters.

Other Information

Comments (As needed)

NONE PROVIDED

Additional Documents (As needed)

NONE PROVIDED

Comment

NONE PROVIDED

Revisions

Revision	Revision Date	Revision By
Revision 1	2/19/2021 1:49 PM	Keith Sanders City of Ann Arbor
Revision 2	8/3/2021 10:33 AM	Earl Kenzie
Revision 3	9/28/2021 9:58 AM	Keith Sanders City of Ann Arbor

Agreements and Signature(s)

SUBMISSION AGREEMENTS

- ☒ I am the owner of the account used to perform the electronic submission and signature.
- ☒ I have the authority to submit the data on behalf of the facility I am representing.
- ☒ I agree that providing the account credentials to sign the submission document constitutes an electronic signature equivalent to my written signature.
- ☒ I have reviewed the electronic form being submitted in its entirety, and agree to the validity and accuracy of the information contained within it to the best of my knowledge.

APPLICATION CERTIFICATION

*Rule 323.2114(1-4), promulgated under the Michigan Act, requires that **this Application must be signed as follows:***

A. For an organization, company, corporation, or authority, by a principal executive office, vice president, or higher

B. For a partnership, by a general partner

C. For a sole proprietor, by the proprietor

D. For a municipal, state, or other public facility, by a principal executive officer or ranking elected official (e.g., mayor, village president, city or village manager, or clerk)

Note: *If the signatory is not listed above, but is authorized to sign the Application, please provide documentation of that authorization.*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for having knowledge of violations."

I understand that my signature constitutes a legal agreement to comply with the requirements of the NPDES Permit. I certify under penalty of law that I possess full authority on behalf of the legal owner/permittee to sign and submit this Application.

Signed By

Keith Sanders City of Ann Arbor on 09/28/2021 at 9:59 AM